

Please type a plus sign (+) inside this box →



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for Form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet	1	of	1	Attorney Docket No.	TI-27725.2
-------	---	----	---	---------------------	------------

**Complete If Known**

Application Number	
Filing Date	01/17/02
First Named Inventor	John M. Cioffi, et al.
Group Art Unit	
Examiner Name	

Jc978 U.S. 52194 PTO  
01/17/02**U.S. PATENT DOCUMENTS**

Exam. Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Doc.	Date of Pub. of Cited Doc. (mm-dd-yyyy)	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
PN	AA	4,314,376		Williams	2/1982	
	AB	4,601,045		Lubarsky	7/1986	
	AC	4,914,651		Lusignan	4/1990	
	AD	5,148,272		Acampora, et al.	9/1992	
	AE	5,272,700		Hansen, et al.	12/1993	
	AF	5,291,289		Hulyalkar	3/1994	
	AG	5,293,633		Robbins	3/1994	
	AH	5,471,473		Tejima	11/1995	
	AI	5,557,612		Bingham	9/17/96	
	AJ	5,644,573		Bingham, et al.	7/1/97	
	AK	5,177,739		Basnuevo, et al.	1/5/93	
	AL	4,773,065		Koyobashi, et al.	9/20/88	
	AM	4,606,023		Dragoo	8/12/86	
	AN	5,317,571		Marcel, et al.	5/31/94	
	AO	5,072,445		Nawata	12/10/91	
	AP	4,870,408		Zdunek, et al.	9/26/89	
	AQ	4,256,925		Goode	3/17/81	
	AR	4,438,511		Baran	3/20/84	
	AS	5,625,651		Cioffi	4/29/97	
	AT	5,285,474		Chow, et al.	2/8/94	
	AU	5,440,561		Werronen	8/8/95	
	AV	5,043,982		Werner	8/27/91	
PN	AW	4,528,656		Morais	7/9/85	

**FOREIGN PATENT DOCUMENTS**

Exam. Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Doc.	Date of Pub. of Cited Doc. (mm-dd-yyyy)	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>2</sup> (if known)				
PN	BA	PCT	WO 92/10884			06/25/92		
PN	BB	EPO	EP0562868A2			09/29/93		
PN	BC	EPO	EP0295227A1			12/14/88		
PN	BD	PCT	WO 85/03180			07/18/85		

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Exam. Initials*/	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
PN	CA	BINGHAM, John A.C., "Multicarrier Modulation For Data Transmission - An Idea Whose Time Has Come," IEEE Communications Magazine, May 1990	
	CB		
	CC		

Examiner Signature	<i>J. Chan</i>	Date Considered	7.6.04
-----------------------	----------------	--------------------	--------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English Translation is attached.

*#5*